

BLYTHE SOLAR POWER PROJECT (09-AFC-6)
CEC STAFF DATA REQUEST 153

Technical Area: Power Plant Efficiency (AFC Section 2.0)

Response Date: January 6, 2010

DR-PPE-153

Information Required:

Please explain the reason for the difference in footprint area between the units of the project.

Response:

The BSPP has four separate solar units. Solar Units 1 and 2 are comprised of enough land area to optimize the net electrical energy output of the power units. Solar Units 3 and 4, however, are comprised of only enough land area to accommodate approximately 80 percent and 83 percent, respectively, of the number of solar arrays installed for Solar Units 1 and 2.

The reason for the difference among the power units is the lack of available BLM-administered land within the planned Project footprint to fully build out Solar Units 3 and 4. Units 3 and/or 4 will operate at an output capacity of 242 megawatts during peak summer months; however, during the winter and shoulder seasons, these two units would operate at a lower capacity factor.